AMENDMENTS TO CLAIMS

Please amend the claims of this application as follows:

1. (Currently amended) An electro-optic assembly comprising first and second substrates, and an adhesive layer and a layer of electro-optic material disposed between the first and second substrates, the adhesive layer comprising a mixture of a polymeric adhesive material and an additive selected from a salt, a polyelectrolyte, a polymer electrolyte, a solid electrolyte, and combinations thereof, and at least one of the first and second substrates comprises an electrode.

2. (Original) An electro-optic assembly according to claim 1 wherein the adhesive layer comprises a mixture of the polymeric adhesive material and a salt.

3. (Original) An electro-optic assembly according to claim 2 wherein the salt comprises potassium acetate.

4. (Currently amended) An electro-optic assembly ~~according to claim 2 wherein the salt comprises~~ comprising first and second substrates, and an adhesive layer and a layer of electro-optic material disposed between the first and second substrates, the adhesive layer comprising a mixture of a polymeric adhesive material and a quaternary ammonium salt.

5. (Original) An electro-optic assembly according to claim 4 wherein the salt comprises a tetraalkylammonium salt.

6. (Original) An electro-optic assembly according to claim 5 wherein the salt comprises tetrabutylammonium chloride or hexafluorophosphate.

7. (Currently amended) An electro-optic assembly ~~according to claim 1 wherein the~~ comprising first and second substrates, and an adhesive layer and a layer of electro-optic material disposed between the first and second substrates, the adhesive layer comprising a mixture of a polymeric adhesive material and a polyelectrolyte, the polyelectrolyte ~~comprises~~ comprising a salt of a polyacid.

8. (Original) An electro-optic assembly according to claim 7 wherein the polyelectrolyte comprises an alkali metal salt of polyacrylic acid.

9. (Original) An electro-optic assembly according to claim 1 wherein the adhesive layer comprising the additive is provided with regions of differing colors and serves as a color filter.

10. (Original) An electro-optic assembly according to claim 1 wherein the adhesive layer comprising the additive further comprises an optical biasing element.

11. (Original) An electro-optic assembly according to claim 2 wherein the adhesive layer comprises from about 10^{-6} to about 10^{-4} moles of salt per gram of polymeric adhesive material.

12. (Original) An electro-optic assembly according to claim 11 wherein the adhesive layer comprises from about 10^{-5} to about 10^{-4} moles of salt per gram of polymeric adhesive material.

13. (Original) An electro-optic assembly according to claim 1 wherein the adhesive layer comprises a polyurethane.

14. (Cancelled).

15. (Currently amended) An electro-optic assembly according to claim 1[[4]] wherein each of the first and second substrates comprises at least one electrode.

16. (Currently amended) An electro-optic assembly according to claim 1[[4]] wherein the first substrate comprises a light-transmissive electrically-conductive electrode, the second substrate comprises a release sheet, and the electro-optic medium is a solid electro-optic medium.

17. (Original) An article of manufacture comprising:

a layer of a solid electro-optic medium having first and second surfaces on opposed sides thereof;

a first adhesive layer on the first surface of the layer of solid electro-optic medium;

a release sheet disposed on the opposed side of the first adhesive layer from the layer of solid electro-optic medium; and

a second adhesive layer on the second surface of the layer of solid electro-optic medium,

at least one of the first and second adhesive layers comprising a mixture of a polymeric adhesive material and an additive selected from a salt, a polyelectrolyte, a polymer electrolyte, a solid electrolyte, and combinations thereof.

18. (Currently amended) An electro-optic assembly comprising first and second substrates, and an adhesive layer and a layer of electro-optic material disposed between the first and second substrates, the adhesive layer comprising a mixture of a polymeric adhesive material and an additive selected from a conductive metal powder, a ferrofluid, a non-reactive solvent, a conductive organic compound, and combinations thereof, and at least one of the first and second substrates comprises an electrode.

19. (Original) An electro-optic assembly according to claim 18 wherein the conductive metal powder comprises nickel.

20. (Original) An article of manufacture comprising:

a layer of a solid electro-optic medium having first and second surfaces on opposed sides thereof;

a first adhesive layer on the first surface of the layer of solid electro-optic medium;

a release sheet disposed on the opposed side of the first adhesive layer from the layer of solid electro-optic medium; and

a second adhesive layer on the second surface of the layer of solid electro-optic medium,

at least one of the first and second adhesive layers comprising a mixture of a polymeric adhesive material and an additive selected from a conductive metal powder, a ferrofluid, a non-reactive solvent, a conductive organic compound, and combinations thereof.

21. (Original) An electrophoretic medium comprising a plurality of capsules, each of the capsules comprising a capsule wall, a suspending fluid encapsulated

within the capsule wall and a plurality of electrically charged particles suspended in the suspending fluid and capable of moving therethrough on application of an electric field to the medium, the medium further comprising a binder surrounding the capsules, the binder comprising a mixture of a polymeric adhesive material and an additive selected from a salt, a polyelectrolyte, a polymer electrolyte, a solid electrolyte and combinations thereof.

22. (Original) An electrophoretic medium according to claim 21 wherein the binder comprises a mixture of the polymeric adhesive material and a salt.

23. (Original) An electrophoretic medium according to claim 22 wherein the salt comprises potassium acetate.

24. (Original) An electrophoretic medium according to claim 22 wherein the salt comprises a quaternary ammonium salt.

25. (Original) An electrophoretic medium according to claim 24 wherein the salt comprises a tetraalkylammonium salt.

26. (Original) An electrophoretic medium according to claim 25 wherein the salt comprises tetrabutylammonium chloride or hexafluorophosphate.

27. (Original) An electrophoretic medium according to claim 21 wherein the polyelectrolyte comprises a salt of a polyacid.

28. (Original) An electrophoretic medium according to claim 27 wherein the polyelectrolyte comprises an alkali metal salt of polyacrylic acid.

29. (Original) An electrophoretic medium according to claim 21 wherein the binder comprising the additive further comprises an optical biasing element.

30. (Original) An electrophoretic medium according to claim 21 comprising from about 10^{-6} to about 10^{-4} moles of salt per gram of binder.

31. (Original) An electrophoretic medium according to claim 30 comprising from about 10^{-5} to about 10^{-4} moles of salt per gram of binder.

32. (Original) An electrophoretic medium according to claim 21 wherein the binder comprises a polyurethane.

33. (Original) An electrophoretic medium comprising a plurality of capsules, each of the capsules comprising a capsule wall, a suspending fluid encapsulated within the capsule wall and a plurality of electrically charged particles suspended in the suspending fluid and capable of moving therethrough on application of an electric field to the medium, the medium further comprising a binder surrounding the capsules, the binder comprising a mixture of a polymeric adhesive material and an additive selected from a conductive metal powder, a ferrofluid, a non-reactive solvent, a conductive organic compound, and combinations thereof.

34-37. (Cancelled).

38. (New) An electro-optic assembly comprising first and second substrates and an adhesive layer and a layer of an electrophoretic medium disposed between the first and second substrates, the electrophoretic medium comprising a suspending fluid and a plurality of electrically charged particles suspended in the suspending fluid and capable of moving therethrough upon application of an electric field to the medium, the adhesive layer comprising a mixture of a polymeric adhesive material and an additive selected from a salt, a polyelectrolyte, a polymer electrolyte, a solid electrolyte, and combinations thereof.

39. (New) An electro-optic assembly according to claim 38 wherein the particles and the suspending fluid are confined within a plurality of capsules.

40. (New) An electro-optic assembly according to claim 38 wherein the particles and the suspending fluid are present as a plurality of discrete droplets, the electrophoretic medium further comprising a continuous phase of polymeric binder surrounding the droplets.

41. (New) An electro-optic assembly according to claim 38 wherein the particles and the suspending fluid are retained within a plurality of cavities formed in a carrier medium.

42. (New) An electro-optic assembly according to claim 38 wherein the adhesive layer comprises a mixture of the polymeric adhesive material and a salt.

43. (New) An electro-optic assembly according to claim 42 wherein the salt comprises potassium acetate.

44. (New) An electro-optic assembly according to claim 42 wherein the salt comprises a quaternary ammonium salt.

45. (New) An electro-optic assembly according to claim 44 wherein the salt comprises a tetraalkylammonium salt.

46. (New) An electro-optic assembly according to claim 45 wherein the salt comprises tetrabutylammonium chloride or hexafluorophosphate.

47. (New) An electro-optic assembly according to claim 38 wherein the polyelectrolyte comprises a salt of a polyacid.

48. (New) An electro-optic assembly according to claim 47 wherein the polyelectrolyte comprises an alkali metal salt of polyacrylic acid.

49. (New) An electro-optic assembly according to claim 38 wherein the adhesive layer comprising the additive is provided with regions of differing colors and serves as a color filter.

50. (New) An electro-optic assembly according to claim 38 wherein the adhesive layer comprising the additive further comprises an optical biasing element.

51. (New) An electro-optic assembly according to claim 42 wherein the adhesive layer comprises from about 10^{-6} to about 10^{-4} moles of salt per gram of polymeric adhesive material.

52. (New) An electro-optic assembly according to claim 51 wherein the adhesive layer comprises from about 10^{-5} to about 10^{-4} moles of salt per gram of polymeric adhesive material.

53. (New) An electro-optic assembly according to claim 38 wherein the adhesive layer comprises a polyurethane.

54. (New) An electro-optic assembly comprising first and second substrates, and an adhesive layer and a layer of an electrophoretic medium disposed between the first and second substrates, the electrophoretic medium comprising a

suspending fluid and a plurality of electrically charged particles suspended in the suspending fluid and capable of moving therethrough upon application of an electric field to the medium, the adhesive layer comprising a mixture of a polymeric adhesive material and an additive selected from a conductive metal powder, a ferrofluid, a non-reactive solvent, a conductive organic compound, and combinations thereof.

55. (New) An electro-optic assembly comprising first and second substrates, and an adhesive layer and a layer of a rotating bichromal member electro-optic material disposed between the first and second substrates, the adhesive layer comprising a mixture of a polymeric adhesive material and an additive selected from a salt, a polyelectrolyte, a polymer electrolyte, a solid electrolyte, and combinations thereof.

56. (New) An electro-optic assembly comprising first and second substrates, and an adhesive layer and a layer of a rotating bichromal member electro-optic material disposed between the first and second substrates, the adhesive layer comprising a mixture of a polymeric adhesive material and an additive selected from a conductive metal powder, a ferrofluid, a non-reactive solvent, a conductive organic compound, and combinations thereof.